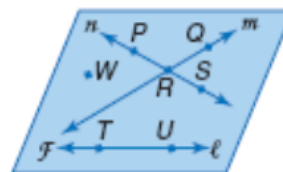


Last night's homework.

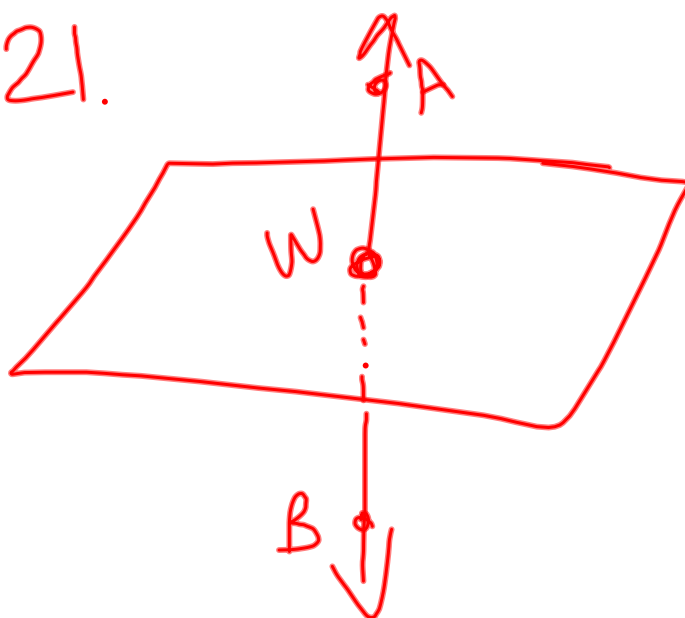
Refer to the figure.

13. Name a line that contains point P .
14. Name the plane containing lines n and m .
15. Name the intersection of lines n and m .
16. Name a point not contained in lines ℓ , m , or n .
17. What is another name for line n ?
18. Does line ℓ intersect line m or line n ? Explain.



Sep 17-7:31 AM

21.



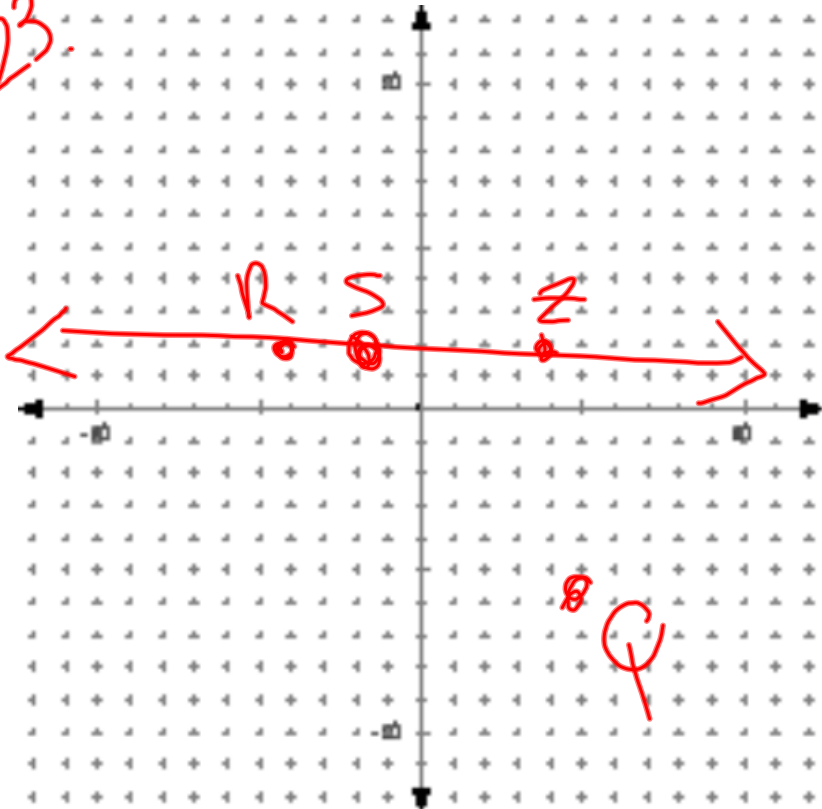
Sep 17-8:28 AM

22.

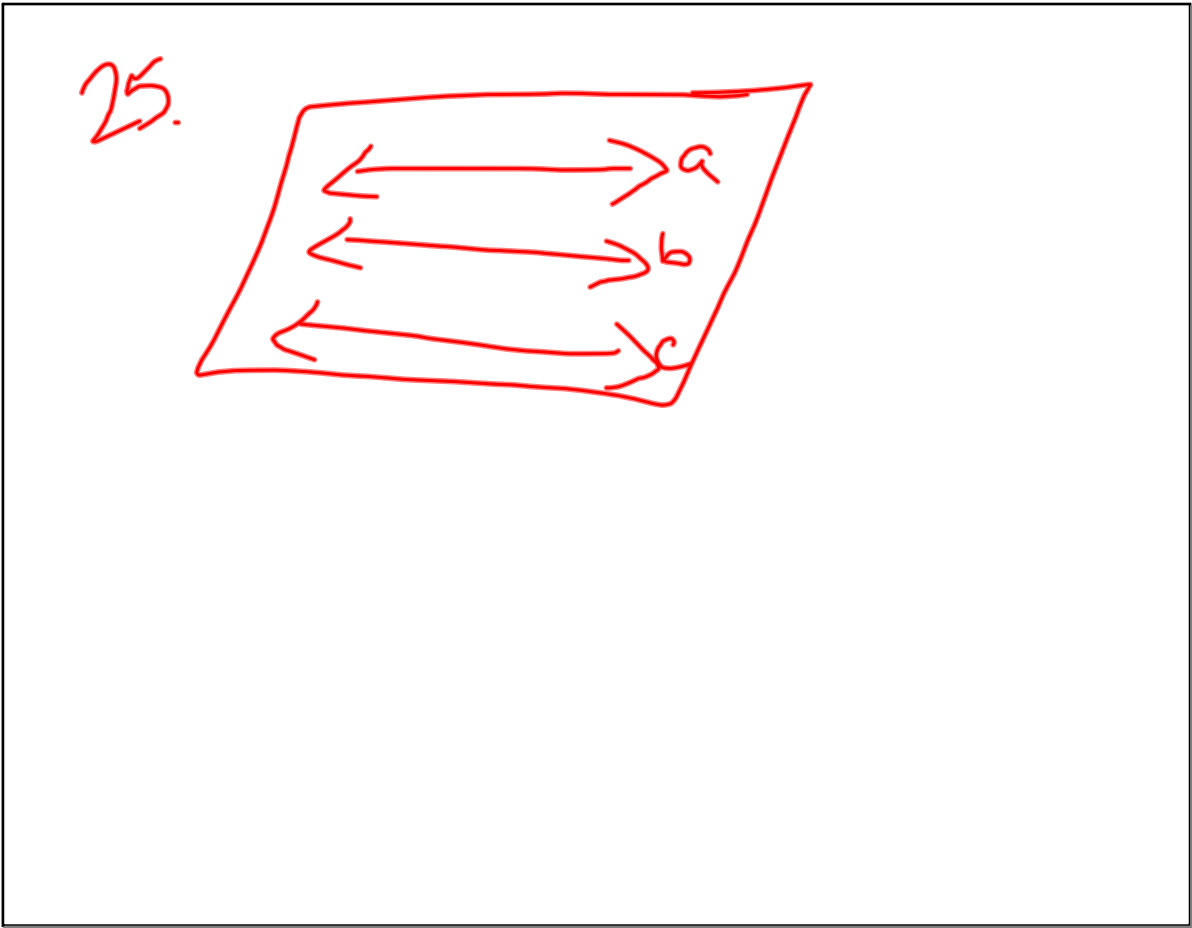
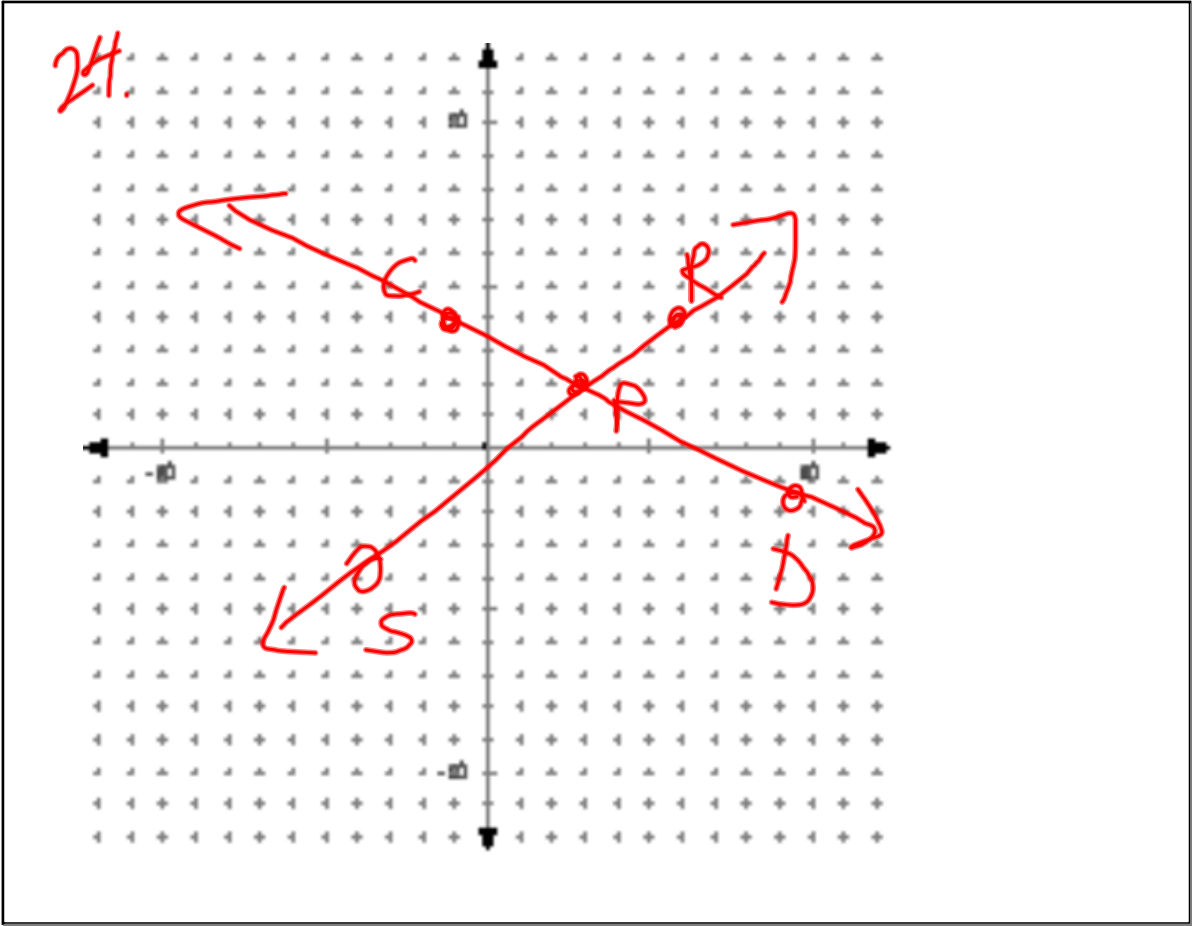


Sep 17-8:38 AM

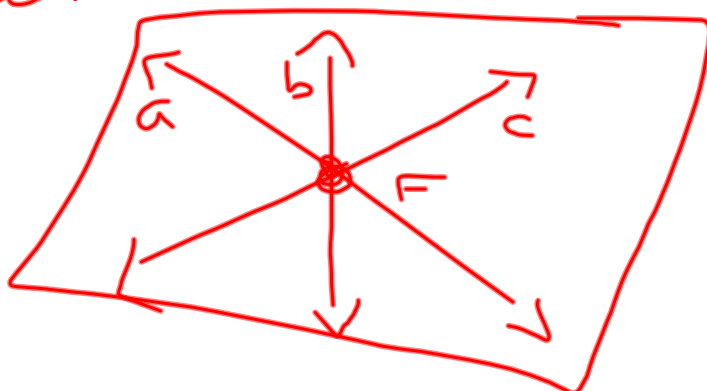
23.



Sep 17-8:28 AM



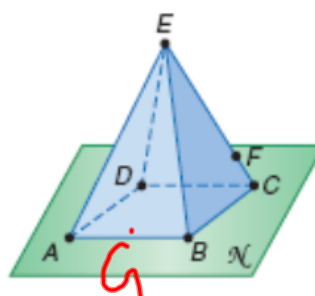
26.



Sep 17-8:45 AM

Refer to the figure.

30. How many planes are shown in the figure?
31. How many planes contain points B , C , and E ?
32. Name three collinear points.
33. Where could you add point G on plane \mathcal{N} so that A , B , and G would be collinear?
34. Name a point that is not coplanar with A , B , and C .
35. Name four points that are coplanar.



Sep 17-7:18 AM

1-2 Linear Measure and Precision

Line Segment—has 2 endpoints; can be measured



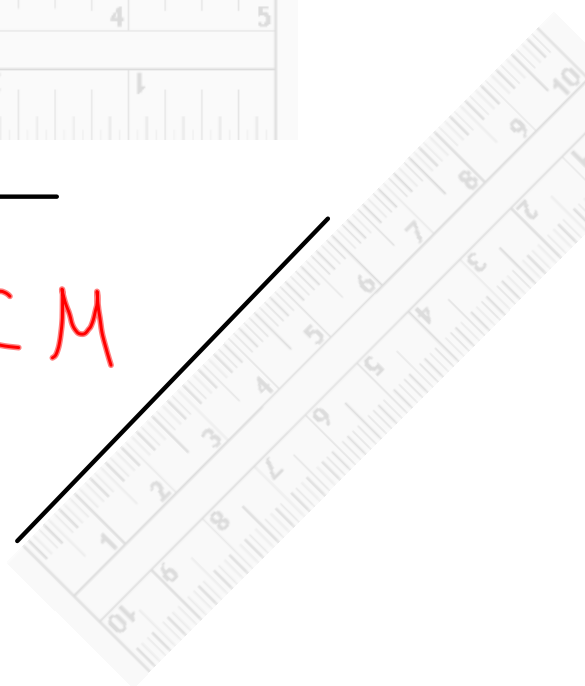
\overline{MN} "segment MN"

MN "length of \overline{MN} "

Sep 17-7:21 AM



K D H Base D C M
(meter)



Sep 17-7:25 AM

Betweenness of points—Point B is between points A and C, if A, B, & C are collinear and $AB + BC = AC$.

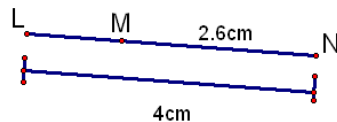


B is between A and C



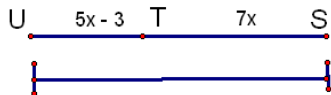
E is NOT between D and F

Sep 17-7:22 AM



$$LM = 1.4 \text{ cm}$$

Find ST if T is between U and S and
 $UT = 5x - 3$ and $ST = 7x$



$$ST = 28$$

$$5x - 3 + 7x = 45$$

$$12x = 48$$

$$x = 4$$

$$7(4) = 28$$

Sep 16-9:48 AM

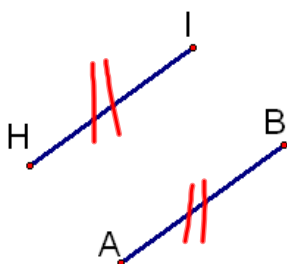
Segments can be the same length



$$CD = EF$$

$$\overline{CD} \cong \overline{EF}$$

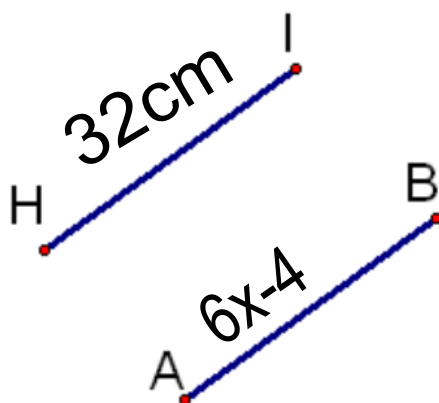
Congruent—same measure



$$\overline{HI} \cong \overline{AB}$$

Sep 17-7:23 AM

$$HI = AB$$



$$x = ? \quad 6$$

$$32 = 6x - 4$$

$$36 = 6x$$

$$6 = x$$

Sep 16-9:54 AM

Precision—is determined by the measuring tool; using the smallest unit available, your measurement is precise to within $\frac{1}{2}$ unit

Customary Units

ex: 3 in

$\frac{1}{2}$ in 2.5in to 3.5in

ex: 3.5 in

$\frac{1}{4}$ in 3.25in to 3.75in

Sep 17-7:23 AM

Metric Units

ex: 3 cm

$\frac{1}{2}$ cm 2.5cm to 3.5cm

ex: 3.0 cm

*****30mm*****

$\frac{1}{2}$ mm 29.5mm to 30.5mm

Sep 16-10:08 AM

On the metric system, the **decimal** is very important. By saying 3.0cm you are indicating there are mm on the ruler. So precision must be used with the mm.

Sep 16-10:06 AM

HW

p17-18

#s 12-18, 22-29, 32-36

p19 Quiz 1

#s 1-3

Sep 17-7:24 AM